



Our Case No. ILL09-015-US

*TFW*

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Daniel Therriault, et al.

Serial No. 10/673,083

Examiner A. Michael Chambers

Filing Date: September 26, 2003

Group Art Unit 3753

For Microcapillary Networks

**TRANSMITTAL  
AND  
CERTIFICATE OF MAILING UNDER 37 CFR 1.8**

I certify that the following correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

M.S. - Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on

June 5, 2006  
Date

Jonathan P. Taylor, Ph.D.  
typed or printed name of person signing Certificate

*Jonathan P. Taylor*

1. Information Disclosure Statement
2. PTO-1449
3. 93 references
4. No additional fee is required.

**Customer No. 43320  
Evan Law Group LLC  
566 West Adams  
Suite 350  
Chicago, Illinois 60661  
312 876-1400**



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

First

Named

Inventor: Daniel Therriault

Serial

No.: 10/673,083

Group Art Unit No. 3753

Filing

Date: September 26, 2003

Examiner A. Michael Chambers

Title:

Microcapillary Networks

**INFORMATION DISCLOSURE STATEMENT**

M.S. – Amendment

Commissioner for Patents

P.O. Box 1450

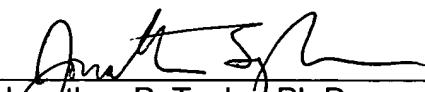
Alexandria, VA 22313-1450

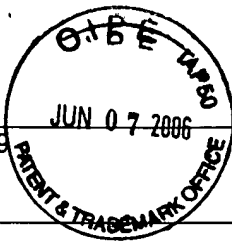
Dear Sir:

In accordance with the provisions of 37 C.F.R. § 1.56, Applicants request that citation and examination of the references identified on the attached Form PTO-1449, required copies of which are enclosed herewith in accordance with 37 C.F.R. §1.98, be made during the course of examination of the above-referenced application for United States Letters Patent.

Respectfully submitted,

Evan Law Group LLC  
566 West Adams  
Suite 350  
Chicago, Illinois 60661  
(312) 876-1400

  
Jonathan P. Taylor, Ph.D.  
Registration No. 48,338



Form PTO-1449 (Rev. 8-88)	Attorney Docket No. ILL09-015-US	Serial No. 10/673,083
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	First Named Inventor Daniel Therriault	
	Filing Date: September 26, 2003	Group: 3753

U.S. PATENT DOCUMENTS							
Examiner Initials*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	Z1	2002/0182171 A1	12/2002	Detert et al.			
	Z2	2003/0177690	09/2003	Wittkowski, et al.			
	Z3	2004/0161544	08/2004	Kasperchik			
	Z4	2002/0147282 A1	10/2002	Mayes et al.			
	Z5	2002/0121229 A1	09/2002	Jardine, et al.			
	Z6	2003/0032727 A1	02/2003	Narayan-Sarathy, et al.			
	Z7	2002/0016387	02/2002	Shen, Jialin			
	Z8	4,414,354 A	11/1983	Slocombe			
	Z9	4,426,356	01/1984	Nair			
	Z10	4,446,174 A	05/1984	Nakamura et al.			
	Z11	4,471,100	09/1984	Tsubakimoto et al.			
	Z12	4,701,218 A	10/1987	Rowlands et al.			
	Z13	4,946,904	08/1990	Akimoto, et al.			
	Z14	4,960,465	10/1990	Arfaei			
	Z15	5,100,984	03/1992	Burge, et al.			
	Z16	5,237,017	08/1993	Akiyama et al.			
	Z17	5,284,894 A	02/1994	Wasyliw et al.			
	Z18	5,344,487 A	09/1994	Whalen-Shaw			
	Z19	5,369,198	11/1994	Albrecht, et al.			
	Z20	5,393,343	02/1995	Darwin, et al.			
	Z21	5,416,071	05/1995	Igari et al.			
	Z22	5,424,362	06/1995	Hwang et al.			
	Z23	5,424,364	06/1995	Simms et al.			
Examiner			Date Considered				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Rev. 8-88)	Attorney Docket No. ILL09-015-US	Serial No. 10/673,083
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	First Named Inventor Daniel Therriault	
	Filing Date: September 26, 2003	Group: 3753

U.S. PATENT DOCUMENTS							
Examiner Initials*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	Z24	5,424,466	06/1995	Stern et al.			
	Z25	5,424,467	06/1995	Bamet al.			
	Z26	5,424,477	06/1995	Higuchi et al.			
	Z27	5,516,836	05/1996	Sauer et al.			
	Z28	5,556,460	09/1996	Berke et al.			
	Z29	5,597,871	01/1997	Auschra et al.			
	Z30	5,643,247	07/1997	Fernandez et al.			
	Z31	5,651,986	07/1997	Brem et al.			
	Z32	5,654,006	08/1997	Fernandez et al.			
	Z33	5,654,006	08/1997	Fernandez et al.			
	Z34	5,665,158	09/1997	Darwin et al.			
	Z35	5,753,037	05/1998	Drs et al.			
	Z36	5,753,261	05/1998	Fernandez et al.			
	Z37	5,811,124	09/1998	Fernandez et al.			
	Z38	5,820,879	10/1998	Fernandez et al.			
	Z39	5,883,196	03/1999	Rath et al.			
	Z40	5,891,313	04/1999	Johnson et al.			
	Z41	5,958,858	09/1999	Bettiol et al.			
	Z42	6,008,181	12/1999	Cripe et al.			
	Z43	6,015,781	01/2000	Vinson et al.			
	Z44	6,020,303	02/2000	Cripe et al.			
	Z46	6,051,636	04/2000	Johnson et al.			
	Z47	6,060,443	05/2000	Cripe et al.			
	Z48	6,093,856	07/2000	Cripe et al.			

Examiner	Date Considered
----------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Rev. 8-88)	Attorney Docket No. ILL09-015-US	Serial No. 10/673,083
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	First Named Inventor Daniel Therriault	
	Filing Date: September 26, 2003	Group: 3753

U.S. PATENT DOCUMENTS							
Examiner Initials*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	Z49	6,107,409	08/2000	Hogan et al.			
	Z50	6,127,094	10/2000	Victor et al.			
	Z51	6,133,222	10/2000	Vinson et al.			
	Z52	6,133,227	10/2000	Barnabas et al.			
	Z53	6,136,333	07/1997	Cohn et al.			
	Z54	6,136,769	10/2000	Asano			
	Z55	6,139,623	10/2000	Darwin et al.			
	Z56	6,150,459	11/2000	Mayes et al.			
	Z57	6,153,577	11/2000	Cripe et al.			
	Z59	6,207,749	03/2001	Mayes et al.			
	Z60	6,211,249	04/2001	Cohn et al.			
	Z61	6,228,829	05/2001	Vinson et al.			
	Z62	6,242,406	06/202001	Katsuda et al.			
	Z63	6,258,161	07/2001	Kerkar et al.			
	Z64	6,277,191	08/21/01	Budiansky et al.			
	Z67	6,395,804 B1	05/2002	Gaddam et l.			
	Z68	6,441,054	08/2002	Ou et al.			
	Z72	6,599,647	07/2003	Oguri et al.			
	Z73	6,670,415	12/2003	Jardine et al.			
	Z74	5,607,892	03/1997	Chopin et al.			
	Z75	6,080,216	06/2000	Erickson			
	Z76	4,178,270	12/1979	Fujita			
	Z77	3,878,034	04/1975	Bever et al.			
	Z78	5,250,476	10/05/1993	Mogensen et al.			
Examiner			Date Considered				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Rev. 8-88)	Attorney Docket No. ILL09-015-US	Serial No. 10/673,083
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	First Named Inventor Daniel Therriault	
	Filing Date: September 26, 2003	Group: 3753

U.S. PATENT DOCUMENTS							
Examiner Initials*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	Z79	5,651,986	7/29/1997	Brem et al.			
	Z80	5,800,922	9/01/1998	Anderson et al.			
	Z81	6,136,428	10/24/2000	Truong et al.			
	Z82	2001/0049912	12/2001	Motonari et al.			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	Y1	AU-B-64095/80	9/1982	Australia				
	Y2	DE 2052749	05/1972	Germany			X Abstract Only	
	Y3	EP 362770 A2	04/1990	EP				
	Y4	EP 0 263 490 B1	01/1995	EP				
	Y5	GB 2094820 A	09/1982	Great Britain				
	Y6	WO 00/47628 A	08/2000	PCT				
	Y8	WO 02/20627 A	03/2002	PCT				
	Y9	WO 97/19711 A1	06/1997	PCT				
	Y10	WO 99/51335	10/1999	PCT				

Examiner Initials*		OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS	
		Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages	
	X1	ADVA® Flow Superplasticizer ASTM C494, Type F (carboxylated polyether) with Material Safety Data Sheet (MSDS), Grace Construction Products 10 p., 2002.	
	X4	Axim Italcementi Group, Catexol™ Superflux 2000 PC, with Material Safety Data Sheet (MSDS), 7 p., 2002.	
	X6	Bell, Nelson, et al., "Cation-Induced Collapse of Low-Molecular-Weight Polyacrylic Acid in the Dispersion of Barium Titanate", Journal of Colloid and Interface Science, 254, pp. 296-305, 2002.	
	X7	Berg, J.M., et al., "Interactions between Mica Surfaces in Sodium Polyacrylate Solutions Containing Calcium Ions", Journal of Colloid and Interface Science, 161, pp.182-189, 1993.	

Examiner	Date Considered
----------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Rev. 8-88)	Attorney Docket No. ILL09-015-US	Serial No. 10/673,083
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	First Named Inventor Daniel Therriault	
	Filing Date: September 26, 2003	Group: 3753

Examiner Initials*		OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
	X8	Breitenbach, A., et al. "Branched biodegradable polyesters for parenteral drug delivery systems", Journal of Controlled Release, Vol. 64, pp. 167-178, 2000.
	X10	Campbell, et al., "Fabrication of Photonic Crystals for the Visible Spectrum by Holographic Lithography," Nature, pp. 53-56, Vol. 404, 2000.
	X11	Caruso et al., "Nanoengineering of Inorganic and Hybrid Hollow Spheres by Colloidal Templating," Science, pp. 1111-1114, Vol. 282, 1998.
	X12	Cassagneau et al., "Conjugated Polymer Inverse Opals for Potentiometric Biosensing," Adv. Mater., pp. 1837-1841, Vol. 14, 2002.
	X13	Cesarano III, Joseph et al., "Processing of Highly Concentrated Aqueous $\alpha$ -Alumina Suspensions Stabilized with Polyelectrolytes", J. Am. Ceram. Soc., Vol. 71 No. 12, pp 1062-67, 1988.
	X14	Cesarano III, Joseph, et al., "Stability of Aqueous $\alpha$ -Al <sub>2</sub> O <sub>3</sub> Suspensions with Poly(methacrylic acid) Polyelectrolyte", J. Am. Ceram. Soc., Vol. 71, No. 4, pp. 250-55, 1988.
	X16	Chen et al., "Geometric Control of Cell Life and Death," Science, pp. 1425-1428, Vol. 276, 1997.
	X17	Abstract of Sakai et al., "Influence of various types of inorganic salts on dispersion mechanisms of comb-type polymer containing grafted polyethylene oxides chains," Journal of the Ceramic Society of Japan, Vol. 108, No. 10, pp. 904-908, 2000.
	X20	Chrisey et al., "Materials Processing: The Power of Direct Writing," Science, Vol. 289, pp. 879-881, 2000.
	X21	Clark et al., "Creating Microstructures of Luminescent Organic Thin Films Using Layer-by-Layer Assembly," Adv. Mater., pp. 1031-1035, Vol. 11, 1999.
	X22	Cumpston et al., "Two-Photon Polymerization Initiators for Three-Dimensional Optical Data Storage and Microfabrication," Nature, pp. 51-54, Vol. 398, 1999.
	X23	Dahlgren, M., "Effect of Counterion Valency and Ionic Strength on Polyelectrolyte Adsorption" Langmuir Vol. 10, No. 5, pp. 1580-1583, 1994.
	X24	De L. Costello, et al., "Experimental investigations of the interaction forces in concentrated dispersions", Colloids and Surfaces A: Physiochemical and Engineering Aspects, 77, pp. 55-63, 1993.
	X25	Decher, "Fuzzy Nanoassemblies: Toward Layered Polymeric Multicomposites," Science, pp. 1232-1237, Vol. 277, 1997.
	X26	Demers et al., "Direct Patterning of Modified Oligonucleotides on Metals and Insulators by Dip-Pen Nanolithography," Science, pp. 1836-1838, Vol. 296, 2002.
	X28	Feiertag et al., "Fabrication of Photonic Crystals by Deep X-Ray Lithography," Appl. Phys. Lett., pp. 1441-1443, Vol. 71, 1997.
	X29	Fery et al., "Nanoporous Thin Films Formed by Salt-Induced Structural Changes in Multilayers of Poly(acrylic Acid) and Poly(allylamine)," Langmuir, pp. 3779-3783, Vol. 17, 2001.
	X30	Foresi et al., "Photonic-Bandgap Microcavities in Optical Waveguides," Nature, pp. 143-145, Vol. 390, 1997.
	X31	Hadjichristidis, N., "Polymers with Complex Architecture by Living Anionic Polymerization", Chem. Rev. Vol. 101, pp. 3747, 3771-3775, 2001.
	X34	Jiang et al., "Exploring the Rules for Selective Deposition: Interactions of Model Polyamines on Acid and Oligoethylene Oxide Surfaces," Langmuir, pp. 1131-1143, Vol. 18, 2002.

Examiner	Date Considered
----------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Rev. 8-88)	Attorney Docket No. ILL09-015-US	Serial No. 10/673,083
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	First Named Inventor Daniel Therriault	
	Filing Date: September 26, 2003	Group: 3753

Examiner Initials*		OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
	X35	Jiang et al., "Polymer-On-Polymer Stamping: Universal Approaches to Chemically Patterned Surfaces," Langmuir, pp. 2607-2615, Vol. 18, 2002.
	X39	Kiriy et al., "Cascade of Coil-Globule Conformational Transitions of Single Flexible Polyelectrolyte Molecules in Poor Solvent," J. Am. Chem. Soc., pp. 13454-13462, Vol. 124, 2002.
	X40	Laarz, E. et al., "The Effect of Anionic Polyelectrolytes on the Properties of Aqueous Silicon Nitride Suspensions", Journal of the European Ceramic Society, Vol. 20, pp. 431-440, 2000.
	X42	Landers et al., "Rapid Prototyping of Scaffolds Derived from Thermoreversible Hydrogels and Tailored for Applications in Tissue Engineering," Biomaterials, pp. 4437-4447, Vol. 23, 2002.
	X43	Lazaris et al., "Spider Silk Fibers Spun from Soluble Recombinant Silk Produced in Mammalian Cells," Science, pp. 472-476, Vol. 295, 2002.
	X44	Lee et al., "Multi-Photon Polymerization of Waveguide Structures Within Three-Dimensional Photonic Crystals," Adv. Mater., pp. 271-274, Vol. 14, 2002.
	X45	Lewis, "Direct-Write Assembly of Ceramics from Colloidal Inks," Curr. Opin. Solid State Mat. Sci., pp. 245-250, Vol. 6, 2002.
	X46	Li, C., et al., "Effect of a comb-like amphiphilic polymer on the stability of alumina dispersions", Colloids and Surfaces, 69, pp. 155-158, 1992.
	X47	Li, Chia-Chen, et al., "Interaction between Dissolved Ba <sup>2+</sup> and PAA-NH <sub>4</sub> Dispersant in Aqueous Barium Titanate Suspensions", Journal of the American Ceramic Society, Vol. 85, No. 6, pp. 1449-55, 2002.
	X48	Lin et al., "A Three-Dimensional Photonic Crystal Operating at Infrared Wavelengths," Nature, pp. 251-253, Vol. 394, 1998.
	X53	Meier-Haack et al., "Pervaporation Separation of Water/Alcohol Mixtures Using Composite Membranes Based on Polyelectrolyte Multilayer Assemblies," J. Membr. Sci., pp. 233-243, Vol. 184, 2001.
	X55	Napper, Donald H., "Polymeric Stabilization of Colloidal Dispersions" Academic Press, Inc., pp. 28-30, 1983.
	X56	Noda et al., "Full Three-Dimensional Photonic Bandgap Crystals at Near-Infrared Wavelengths," Science, pp. 604-606, Vol. 289, 2000.
	X57	Orgeret-Ravanat, C. et al., "Adsorption/Desorption of a PEO-rich Comb-like Polymer at a Silica/Aqueous Solution Interface", Colloids and Surfaces Vol. 33, pp. 109-119, 1988.
	X58	Piner et al., "Dip-Pen" Nanolithography," Science, pp. 661-663, Vol. 283, 1999.
	X59	Polymer Source, Inc., Information Sheet - Custom Synthesis, comb polymer (poly(acrylic acid) backbone and poly(ethylene oxide) teeth), 2 p., November 13, 2002.
	X60	Reed, James S., "Principles of Ceramic Processing", 2 <sup>nd</sup> Ed., John Wiley & Sons, Inc., pp. 525-541, 1995.
	X61	Sakai, E., et al., "Dispersion Mechanisms of Comb-Type Superplasticizers Containing Grafted Poly(ethylene oxide) Chains", Macromol. Symp. 175, pp. 367-376, 2001.
	X62	Schwartz, Steven A., "Gypsum Dispersing Agents", Global Gypsum Conference, pp. 1-10, 2002.
	X63	Seidel et al., "Artificial Spinning of Spider Silk," Macromolecules, pp. 6733-6736, Vol. 31, 1998.
	X64	Silkroad C&T: Admixtures for Concrete, PEMA-200N, Product Information Sheet, 2 p., 2002.

Examiner	Date Considered
----------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 (Rev. 8-88)	Attorney Docket No. ILL09-015-US	Serial No. 10/673,083
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	First Named Inventor Daniel Therriault	
	Filing Date: September 26, 2003	Group: 3753

Examiner Initials*		OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
	X65	Smay et al., "Colloidal Inks for Directed Assembly of 3-D Periodic Structures," Langmuir, pp. 5429-5437, Vol. 18, 2002.
	X66	Smay et al., "Directed Colloidal Assembly of 3D Periodic Structures," Adv. Mater., pp. 1279-1283, Vol. 14, 2002.
	X69	Stenius, P. et al., "Aggregation in concentrated kaolin suspensions stabilized by polyacrylate", Colloids and Surfaces, Vol. 51, pp. 219-238, 1990.
	X71	Sukhishvili et al., "Layered, Erasable, Ultrathin Polymer Films," J. Am. Chem. Soc., pp. 9550-9551, Vol. 122, 2000.
	X72	Takemoto Oil & Fat Co. Ltd., Information Sheet, 2 p., 2002.
	X73	Tobori, N. et al., "Rheological behavior of highly concentrated aqueous calcium carbonate suspensions in the presence of polyelectrolytes", Colloids and Surfaces A: Physicochem. Eng. Aspects 00, pp. 1-9, 2002; vol. 215, pp. 163-171, 2003.
	X74	Uhrig, D., et al., "Synthesis of Combs, Centipedes, and Barbwires: Poly(isoprene-graft-styrene) Regular Multigraft Copolymers with Trifunctional, Tetrafunctional, and Hexafunctional Branch Points", Macromolecules Vol. 35, pp. 7182-7190, 2002.
	X75	Vermohlen, K., et al., "Adsorption of polyelectrolytes onto oxides -- the influence of ionic strength, molar mass, and Ca <sup>2+</sup> ions", Colloids and Surfaces A: Physicochem. Eng. Aspects 163, pp. 45-53, 2000.
	X76	Vlasov et al., "On-Chip Natural Assembly of Silicon Photonic Bandgap Crystals," Nature, pp. 289-293, Vol. 414, 2001.
	X77	Vollrath et al., "Liquid Crystalline Spinning of Spider Silk," Nature, pp. 541-548, Vol. 410, 2001.
	X79	Wu et al., "Fabrication of Complex Three-Dimensional Microchannel Systems in PDMS," J. Am. Chem. Soc., pp. 554-559, Vol. 125, 2003.
	X80	Xia et al., "Soft Lithography," Angew. Chem Int. Ed., pp. 550-575, Vol. 37, 1998.
	X81	Zezin et al., "A New Class of Complex Water-Soluble Polyelectrolytes," Russ. Chem. Rev., pp. 833-855, Vol. 51, 1982.
	X82	Allahyarov, E. et al., "Attraction between Like-Charged Macroions by Coulomb Depletion", Physical Review Letters, Vol. 81, No. 6, pp 1334-1337, 1998.
	X83	Allahyarov, E. et al., "Effective forces between macroions: The cases of asymmetric macroions and added salt", Physical Review E, Vol. 57, No. 5, pp 5818-5824, 1998.
	X84	BIC, "Zeta Potential Applications", article from the Internet, <a href="http://www.bic.com/fZetaPotentialApplications.htm">http://www.bic.com/fZetaPotentialApplications.htm</a> , 4 pages, printed 9/14/2001.
	X85	Braun, Paul V. et al., "Electrochemical Fabrication of 3D Microperiodic Porous Materials", Advanced Materials, Vol. 13, No. 7, pp 482-485, 2001.
	X86	Braun, Paul V. et al., "Electrochemically grown photonic crystals", Nature, Vol. 402, pp 603-604, 1999.
	X87	Braun, Paul V. et al., "Optical spectroscopy of high dielectric contrast 3D photonic crystals", Europhys. Lett., Vol. 56, pp 207-213, 2001.
	X88	CAMP Annual Report 2000, "Colloidal Dispersions and Processing", Center for Advanced Materials Processing, 2000, article from the Internet, <a href="http://www.clarkson.edu/camp/annual_report/page6.htm">http://www.clarkson.edu/camp/annual_report/page6.htm</a> , 2 pages, printed 9/14/2001.

Examiner	Date Considered
----------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Rev. 8-88)	Attorney Docket No. ILL09-015-US	Serial No. 10/673,083
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	First Named Inventor Daniel Therriault	
	Filing Date: September 26, 2003	Group: 3753

Examiner Initials*		OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
	X89	Ferreira, Paula G. et al., "Mixtures of charged colloids and nonadsorbing flexible polyelectrolytes: An integral equation study", <i>J. Chem. Phys.</i> , Vol. 113, No. 21, pp. 9849-9862, 2000.
	X90	Garibay-Alonso, R. et al., "Phase separation of binary liquid mixtures of hard spheres and Yukawa particles", <i>Physica A</i> , Vol. 235, pp. 159-169, 1997.
	X91	Nitzche, et al., "The use of the Malvern Zetasizer for the measurement of Zeta Potential", article from the Internet, <a href="http://www.malvern.co.uk/Laboratory/zetaintro.htm">http://www.malvern.co.uk/Laboratory/zetaintro.htm</a> , 10 pages, printed on 2/12/02.
	X92	Malvern, "Zeta Potential Theory, Dispersion stability", article from the Internet, <a href="http://www.malvern.co.uk/Laboratory/zetttheo.htm">http://www.malvern.co.uk/Laboratory/zetttheo.htm</a> , 2 pages, printed on 2/12/02.
	X93	Mendez-Alcaraz, J.M. et al., "Depletion forces in colloidal mixtures", <i>Physical Review E</i> , Vol. 61, No. 4, pp. 4095-4099, 2000.
	X94	Mendez-Alcaraz, J.M. et al., "Structural properties of colloidal suspensions", <i>Physica A</i> , Vol. 220, pp. 173-191, 1995.
	X95	Mendez-Alcaraz, J.M. et al., "Structure of Binary Colloidal Mixtures of Charged and Uncharged Spherical Particles", <i>Langmuir</i> , Vol. 8, pp. 2913-2920, 1992.
	X96	Nguyen, T. T. et al., "Macroions in Salty Water with Multivalent Ions: Giant Inversion of Charge", <i>Physical Review Letters</i> , Vol. 85, No. 7, pp. 1568-1571, 2000.
	X97	Ramakrishnan, S. et al., "Characterizing nanoparticle interactions: Linking models to experiments", <i>J. Chem. Phys.</i> , Vol. 113, No. 3, pp. 1237-1248, 2000.
	X98	Rouzina, Ioulia et al., "Macroion Attraction Due to Electrostatic Correlation between Screening Counterions. 1. Mobile Surface-Adsorbed Ions and Diffuse Ion Cloud", <i>J. Phys. Chem.</i> , Vol. 100, No. 23, pp. 9977-9989, 1996.
	X99	The Sol-Gel Gateway, "Suppliers-Colloidal solutions and nanoparticles", article from the Internet, <a href="http://www.solgel.com/precursors/sols.htm">http://www.solgel.com/precursors/sols.htm</a> , 3 pages, printed on 9/14/2001.
	X101	Tohver, Valeria, "Nanoparticle Engineering of Complex Fluid Behavior", <i>Langmuir</i> , Vol. 17, No. 26, pp. 8414-8421, 2001.
	X102	Tohver, Valeria, "Nanoparticle halos: A new colloid stabilization mechanism", <i>PNAS</i> , Vol. 98, No. 16, pp. 8950-8954, 2001.
	X103	Verhaegh, Nynke et al., "Transient gelation by spinodal decomposition in colloid-polymer mixtures", <i>Physica A</i> , Vol. 242, pp. 104-118, 1997.
	X104	Verhaegh, Nynke et al., "Transient gels in colloid-polymer mixtures studied with fluorescence confocal scanning laser microscopy", <i>Physica A</i> , Vol. 264, pp. 64-74, 1999.
	X105	Weeks, James R., "Formation and collapse of gels of sterically stabilized colloidal particles", <i>J Phys.: Condens. Matter</i> , Vol. 12, pp. 9599-9606, 2000.
	X106	Wessling, Dr. Bernhard, "Conductive Polymer / Solvent Systems: Solutions or Dispersions?", dated 1996, article from the Internet, <a href="http://www.zipperling.de/Research/soludisp/kap13.html">http://www.zipperling.de/Research/soludisp/kap13.html</a> , printed 9/14/2001.
	X107	Vincent, B. et al., "Adsorption of Small, Positive Particles onto Large, Negative Particles in the Presence of Polymer", <i>J.C.S. Faraday I</i> , V. 76, pp. 665-673, 1980.
	X108	Luckham, P.F., et al., "The Controlled Flocculation of Particulate Dispersions Using Small Particles of Opposite Charge. III. Investigation of Floc Structure Using Rheological Techniques", <i>Colloids and Surfaces</i> , Vol. 6, pp 101-118, 1983.

Examiner	Date Considered
----------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.